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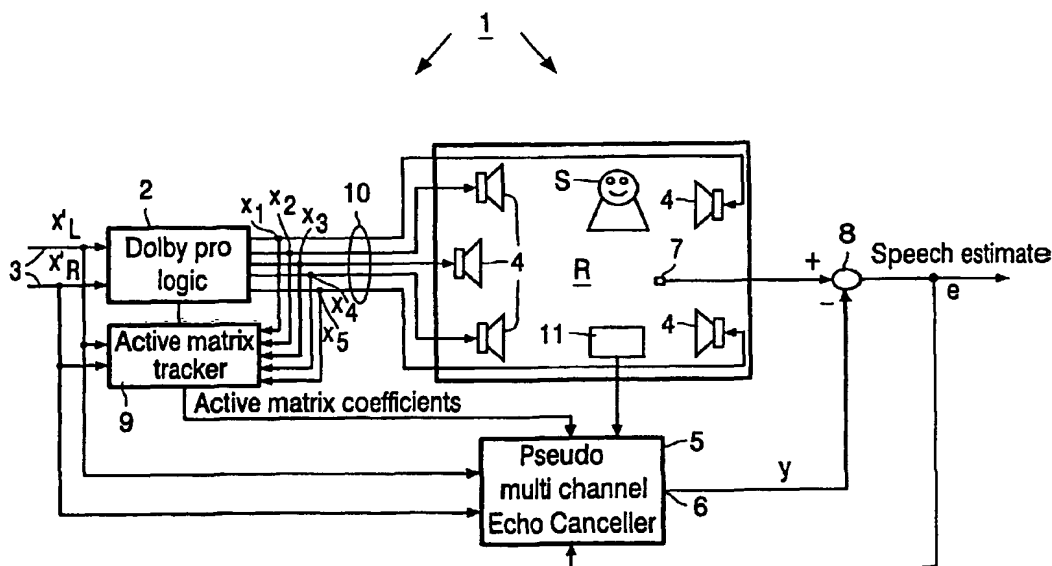
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- (71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): SCHOBSEN, Daniel, W., E. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). EGELMEERS, Gerardus, P., M. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: MULTICHANNEL ECHO CANCELLER SYSTEM USING ACTIVE AUDIO MATRIX COEFFICIENTS



(57) Abstract: An echo canceller system is described, which comprises an audio matrix decoder coupled to audio inputs for providing multiple audio output signals, and a multi-channel echo canceller coupled to the audio inputs. The echo canceller system further comprises audio receiving means for receiving a mixture of the audio output signals and a wanted signal. The multi-channel echo canceller is coupled to the audio matrix decoder for using the audio matrix coefficients with multi-channel echo cancellation for deriving the wanted signal from the mixture. The computational and audio processing complexity of such a system is reduced.

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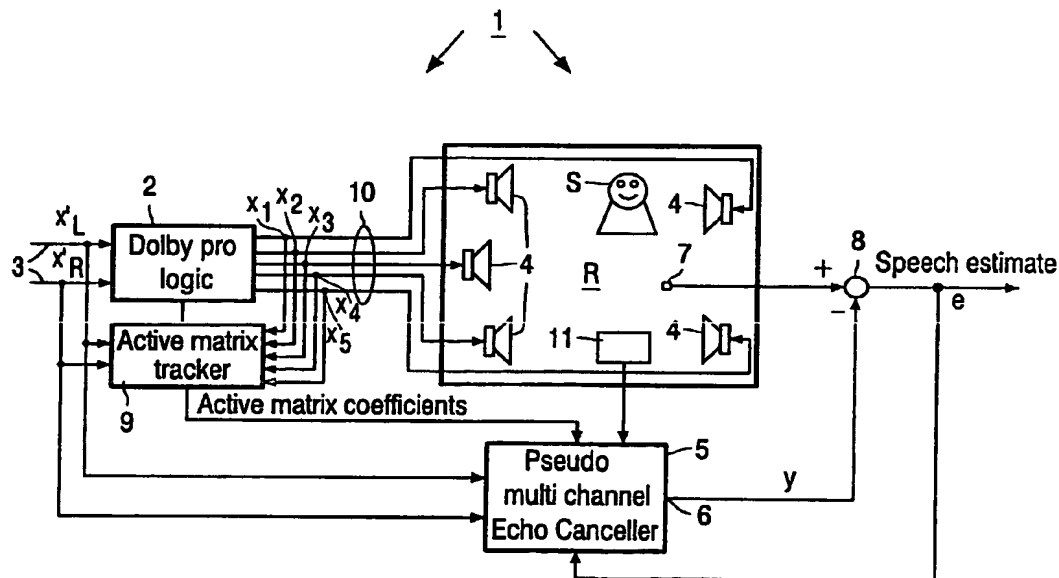
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- (51) International Patent Classification⁷: **H04S 1/00** (74) Agent: GROENENDAAL, Antonius, W., M.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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Application No
PCT/IB 02/05271A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 761 318 A (SHIMAUCHI SUEHIRO ET AL) 2 June 1998 (1998-06-02) column 4, line 57 -column 6, line 36 column 21, line 61 -column 25, line 20; figures 7-10 -----	1,6-8

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Tsapelis, A .

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			DE	69628618 D1	17-07-2003
			EP	0766446 A2	02-04-1997
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